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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/139,296	08/25/1998	TOSHIYA OHTOMO	101809.01	5158	
25944	7590 09/16/2002				
OLIFF & BERRIDGE, PLC			EXAMINER		
P.O. BOX 19928 ALEXANDRIA, VA 22320			KIM, PETER B		
			ART UNIT	PAPER NUMBER	
			2851		
			DATE MAIL ED: 00/16/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicati	ion No.	Applicant(s)				
Office Action Summary		09/139,2	96	OHTOMO ET AL.	lle			
		Examine	r	Art Unit				
		Peter B K		2851				
The MAILING DATE of this communication appears on the cov r sh et with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status	o communication(s) filad	00						
, -	o communication(s) filed	on)⊠ This action is	non final					
2a) This action is				ttore proposition on to th	ha madta ia			
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims								
•	1 is/are pending in the a	polication						
 4)⊠ Claim(s) <u>28-31</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 								
5) Claim(s) is/are allowed.								
6)⊠ Claim(s) <u>28-31</u> is/are rejected.								
7) ☐ Claim(s) is/are objected to.								
		n and/or election	requirement.					
8) Claim(s) are subject to restriction and/or election requirement. Application Papers								
9) The specification is objected to by the Examiner.								
10) The drawing(s)	filed on is/are: a)	accepted or b)	objected to by	the Examiner.				
Applicant may	not request that any object	tion to the drawing(s	s) be held in abey	ance. See 37 CFR 1.85(a).	•			
11) The proposed of	drawing correction filed o	n is: a)	approved b) 🗌 o	disapproved by the Examir	ner.			
If approved, corrected drawings are required in reply to this Office action.								
12) The oath or declaration is objected to by the Examiner.								
Priority under 35 U.S.C. §§ 119 and 120								
13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a)⊠ All b)☐ Some * c)☐ None of:								
1.⊠ Certified copies of the priority documents have been received.								
2. Certified	2. Certified copies of the priority documents have been received in Application No							
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).								
a) ☐ The translation of the foreign language provisional application has been received. 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.								
Attachment(s)								
Notice of References C Notice of Draftsperson's	ited (PTO-892) s Patent Drawing Review (PTO Statement(s) (PTO-1449) Pape		_	Summary (PTO-413) Paper No Informal Patent Application (PT				



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DETAILED ACTION

The office communications mailed on October 27, 1999 and October 29, 1999 (paper #16, and 17) are vacated.

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the first paragraph of 35 U.S.C. 112:
 - The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
- 2. Claims 29 and 31 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. According to the claims, the magnet system of the first linear motor is fastened to the mask stage. The term, "mask stage" is not defined in the specification. In fact, the term, "mask stage" is missing from the specification. Also, the electric coil system of the first linear motor fastened to the movable part of the second linear motor is not disclosed in the specification, since in Figure 5 and 7, the electric coil of the first linear motor seems to be attached to the coarse stage, which is not claimed.

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Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 28 and 30 are rejected under 35 U.S.C. 102(e) as being anticipated by Nishi (5,477,304).

Nishi discloses in Figures 1 and 2 and columns 8 and 9 a lithographic device comprising the following elements, which are supported in that order: a substrate stage which can be positioned by a first positioning device (ref. 31 in Nishi) in x-direction (first direction in Claim 30) and y-direction (second direction in Claim 30) where both directions are perpendicular to z-direction; an imaging system (ref. 13 in Nishi) with a main axis parallel to the z-direction; a mask stage which can be positioned parallel to the x-direction (first direction in Claim 30) by a second positioning device (ref. 24 in Nishi); and an illumination optical system (ref. 22 in Nishi) which irradiates an exposure illumination light beam; wherein the mask stage is also positionable parallel to the y-

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direction (second direction in Claim 30) and rotatable (see abstract of Nishi) about an axis of rotation which is parallel to the z-direction by the second positioning device; and wherein the second positioning device is provided with a first linear motor by means of which the mask stage can be positioned over comparatively small movement parallel to the y-direction and x-direction and can be rotated about the axis of rotation of the mask stage (ref. 38, 40, 42 in Nishi) and a second linear motor by means of which the mask stage can be positioned over comparatively great movement parallel to the x-direction (first direction in Claim 30) (ref. 32A, 32B in Nishi). Regarding the direction, the relative scanning direction is defined as the x-direction in Nishi, therefore x-direction in Nishi corresponds to the y-direction in the claimed invention.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter Kim whose telephone number is (703) 305-0105. The examiner can normally be reached on Monday-Thursday from 6:30 AM to 4:00 PM. The examiner can also be reached on alternate Fridays during the same hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Russ Adams, can be reached on (703) 308-2847. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

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PBK 5/7/02

RUSSELL ADAMS
SUPERVISORY PATENT EXAMINER

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